kerk

PRODUCT LIST

LEAD SCREWS ACTUATORS/SLIDES LINEAR RAILS SPLINE SHAFTS

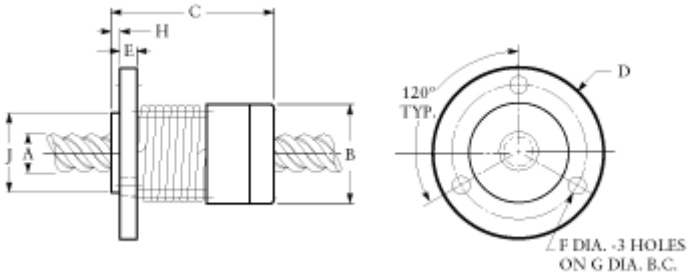
VHD Series

The KERK VHD Series anti-backlash assembly provides the maximum load carrying capability and the highest axial and radial stiffness of any Kerk nut assembly. Designed for smooth, quiet operation and long life, the VHD assembly provides low drag torque
by making use of the patented Kerk AXIAL TAKE-UP MECHANISM (see Overview section). Drag and wear associated with high pre-load forces are eliminated with the VHD Series. Screws are 303 stainless steel with Kerk's custom TFE extended life coating optional.

Assemblies are available cut-to-length or with screws machined to your requirements.

VHDF SERIES - FLANGE MOUNT

Series	Screw Ø	Nut Ø	Nut Length	Flange Ø	Flange Thickness	Mounting Hole Ø	Bolt Circle Ø	Hub Length	Hub Ø	Dynamic Load	Drag Torque
	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	J in. (mm)	lbs. (kg)	oz.-in. (NM)
VHDF 8000	1/2 (12.70)	1.12 (28.5)	2.3 (59)	1.75 (44.5)	.23 (5.9)	.22 (5.60)	1.406 (35.71)	.12 (3.1)	.93 (23.62)	150 (68)	2-6 (.01-.02)
VHDF 10000	5/8 (15.88)	1.38 (35.1)	2.6 (66)	2.12 (53.9)	.30 (7.6)	.22 (5.60)	1.750 (44.45)	N/A	N/A	250 (113)	2-6 (.01-.02)
VHDF 12000	3/4 (19.05)	1.62 (41.2)	2.8 (71)	2.38 (60.5)	.31 (7.9)	.22 (5.60)	2.000 (50.80)	N/A	N/A	350 (159)	3-7 (.02-.05)



VHDY SERIES - THREAD MOUNT

Series	Screw Ø	Nut Ø	Nut Length	Thread	Thread Length	Dynamic Load	Drag Torque
	A in. (mm)	B in. (mm)	C in. (mm)	M* in. (mm)	N in. (mm)	lbs. (kg)	oz.-in. (NM)
VHDY 8000	1/2 (12.70)	1.12 (28.5)	2.5 (64)	15/16-16	.50 (12.7)	150 (68)	2-6 (.01-.04)
VHDY 10000	5/8 (15.9)	1.38 (35.1)	2.8 (72)	1 1/4-16	.50 (12.7)	250 (113)	2-6 (.01-.04)
VHDY 12000	3/4 (19.05)	1.62 (41.2)	3.12 (79)	1 3/8-16	.50 (12.7)	350 (159)	3-7 (.02-.05)

*metric available as required